Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/14/2022 10:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124917	-1	1.33	124841	1.32
Blue	F	SSC	125000	123547	-2	2.36	124071	2.25
Blue	E	FITC	13602	13328	-3	2.20	372	13.69
Blue	D	PE	24891	24681	-1	1.65	585	10.51
Blue	B	PerCP-Cy5-5	33972	33136	-3	2.88	944	15.07
Blue	A	PE-Cy7	22865	22621	-2	4.94	471	31.09
Red	C	APC	47198	47014	-1	2.71	1620	11.43
Red	A	APC-Cy7	26454	25798	-3	3.03	728	12.33
Violet	B	V450	6737	6515	-4	3.40	451	11.25
Violet	A	V500	29317	28600	-3	2.92	976	8.51

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24059	2.38	562	27	N/A	N/A	Pass
Blue	F	SSC	55594	1.93	520	-1	N/A	N/A	Pass
Blue	E	FITC	55	57.02	488	4	0.0436	214	Pass
Blue	D	PE	113	39.41	491	5	0.4038	315	Pass
Blue	B	PerCP-Cy5-5	148	42.77	584	5	0.0195	101	Pass
Blue	A	PE-Cy7	80	79.43	628	7	0.0213	0	Pass
Red	C	APC	340	25.85	577	5	0.0287	204	Pass
Red	A	APC-Cy7	135	35.74	555	4	0.0065	1630	Pass
Violet	B	V450	77	47.44	450	0	0.0650	2817	Pass
Violet	A	V500	116	35.74	470	1	0.0256	1783	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.83	-31.54	1.04
Blue	20.36	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	14.52	13.90 - 20.86	N/A	N/A	30.02	30.21	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 9983

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments